AD A139 597 THE DLSIF (DEFENSE LOGISTICS STUDIES INFORMATION EXCHANGE) MODELS TAPE..(U) GEORGE WASHINGTON UNIV WASHINGTON DC INST FOR MANAGEMENT SCIE.. 1/1

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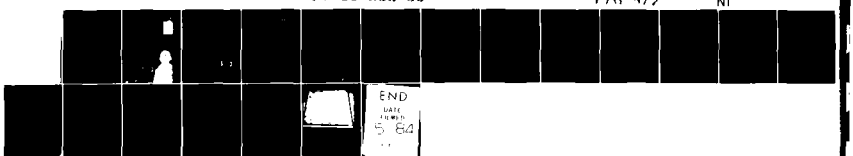

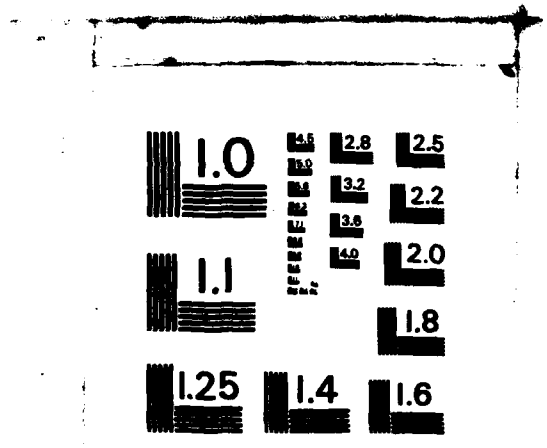

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THE DLSIE MODELS TAPE

by

W. E. Caves
W. H. Marlow

THE GEORGE WASHINGTON UNIVERSITY

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THE DLSIE MODELS TAPE

by

W. E. Caves
W. H. Marlow

Program in Logistics
GWU/IMSE/Serial T-479/83
30 August 1983

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School of Engineering and Applied Science
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7. AUTHOR(s): W. E. CAVES W. H. MARLOW	8. CONTRACT OR GRANT NUMBER(s): AIR FORCE CONTRACT F01600-80-D0299 SUBCONTRACT SCEEE/AFLMC/80-13
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19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

DATA BASE
DATA ENTRY
DATA RETRIEVAL
LOGISTICS MODELS
LOGISTICS STUDIES

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

The Defense Logistics Studies Information Exchange (DLSIE) produced a magnetic tape file version of a custom catalog of models as a one-time accommodation for the Program in Logistics. The present report describes this tape and some associated data. Appendix A is the ten-page "DLSIE models tape LD index." Appendix B is the 39-page "Ten percent sample from DLSIE models tape." Appendix C is the five-page "Common entries in studies and models files."

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THE DLSIE MODELS TAPE

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W. E. Caves
W. H. Marlow

Abstract
of
Program in Logistics
GWU/IMSE/Serial T-479/83
30 August 1983

The Defense Logistics Studies Information Exchange (DLSIE) produced a magnetic tape file version of a custom catalog of models as a one-time accommodation for the Program in Logistics. The present report describes this tape and some associated data. Appendix A is the ten-page "DLSIE models tape LD index." Appendix B is the 39-page "Ten percent sample from DLSIE models tape." Appendix C is the five-page "Common entries in studies and models files."

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THE DLSIE MODELS TAPE

by

W. E. Caves
W. H. Marlow

Program in Logistics
GWU/IMSE/Serial T-479/83
30 August 1983

0. Summary

As described in Reference [3], the Defense Logistics Studies Information Exchange (DLSIE) produced a magnetic tape file version of a custom catalog of models, namely, the "DLSIE models tape," as a one-time accommodation to assist the Program in Logistics in completing its subcontract with the Air Force Logistics Management Center (AFLMC). Production was achieved by altering standard computer programs used by DLSIE whereby all "write to printer" commands were replaced by "write to tape." Reference [1] treats the de-editing of the tape and the generation of input to STAIRS [4] at the AFLMC. The present report describes the DLSIE models tape and some associated data. Appendix A is the ten-page "DLSIE models tape LD index." Appendix B is the 39-page "Ten percent sample from DLSIE models tape." Appendix C is the five-page "Common entries in studies and models files." Reference [2] treats the associated DLSIE studies tape.

1. The custom catalog

A custom catalog of models was produced by DLSIE on 1 August 1983 with resulting output of a magnetic tape file rather than a standard computer printout. All such catalogs are collections of model abstracts, each one of which summarizes a model by means of a one- or two-page computer printout. The following search criteria were used.

Only completed models with publication dates in 1978 or later

All models sponsored or performed by the U.S. Air Force

All aircraft-related models by all sponsors and all performers

All models entered from periodical publishers (for all sponsors, all performers, and all topics)

A total of 383 models satisfied these criteria. The machine-readable version was recorded on a reel of nine-track 1600 BPI tape. The printed version would have consisted of about 400 pages and it was not printed. Instead, an index, a sample, and a listing were printed for inclusion as appendixes to the present report.

Appendix A is the 10-page "DLSIE models tape LD index" where one line appears for each document in the custom bibliography. The first entry in each line is the four-digit document number which records the serial location of the model on the tape. Second is the logistics document (LD) number which DLSIE assigns and uses to prepare custom catalogs and to furnish microfiche copies of documents it distributes. The initial segment of the title appears third on each line and it is followed by the initial segment of the name of the performing organization (or name of the periodical publication).

2. Input for STAIRS

As described in [1], the DLSIE models tape was de-edited and data were generated for input of the documents to STAIRS [4] at the AFLMC. This can be viewed as rewriting the DLSIE data elements--the entries which appear on their model abstracts--in the form of 72-column card images. For STAIRS, the "card types" are identified by three-character STAIRS "paragraph codes" as shown in Table 1 and these 51 codes cover all of the DLSIE data elements that appear on model abstracts. The nine-character "Labels" are abbreviated identifiers which appear when results from STAIRS are displayed or printed. Prefixes "D-" denote codes for data originating at DLSIE. Entries "AFLMC Standard" under "Contents" in Table 1 identify codes previously used for STAIRS at the AFLMC. Code 910--D-AGENCY--generally identifies sponsors, performers, or publishers; there are eight possible entries, namely, Department of Defense, Department of the Army, Department of the Air Force, Department of the Navy, Defense Logistics Agency, Non-Governmental Agencies--Independent Research, Periodical Publishers, and Other Governmental Agencies. Agency is commonly the primary sequence, and LD number the secondary, for DLSIE products.

Table 1. STAIRS Paragraph Codes for the DLSIE Models Tape

Code	-Label--	Contents
***	(Doc No)	AFLMC Standard: LD NUMBER
0A0	DATE:	AFLMC Standard: 19YY Only
010	TITLE:	AFLMC Standard: TITLE
030	RPT-NUM:	AFLMC Standard: AGENCY REPORT NUMBER
050	PERFORMER	AFLMC Standard: DEVELOPER
052	D-P-CONTA	CONTACT
054	D-P-PHONE	PHONE NUMBER
056	D-P-ATTEN	ATTENTION
059	D-P-COST	DEVELOPMENT COST
060	SPONSOR:	AFLMC Standard: SPONSOR
062	D-S-CONTA	CONTACT
064	D-S-PHONE	PHONE NUMBER
066	D-S-ATTEN	ATTENTION
080	CLASS:	AFLMC Standard: SECURITY CLASS
092	D-AD#	AD NUMBER
094	D-RELEASE	RELEASE LIMITATION
096	D-AVAILAB	AVAILABLE FROM
102	D-SUBJECT	SUBJECT DESCRIPTORS
104	D-FUNCTIO	FUNCTIONS
106	D-DESCRIP	SPECIFIC DESCRIPTORS
110	ABSTRACT:	AFLMC Standard: NARRATIVE DESCRIPTION
117	D-M-RECOM	RECOMMENDATIONS
118	D-M-INPUT	INPUT DATA
119	D-M-OUTPU	OUTPUT DATA
800	D-M-ACRON	MODEL ACRONYM

(continued)

Table 1. (continued)

Code	-Label--	Contents
802	D-USER	USER
804	D-U-CONTA	CONTACT
806	D-U-PHONE	PHONE NUMBER
810	D-U-FREQ	USE FREQUENCY
812	D-M-OPERA	DATE OPERATIONAL
814	D-M-CROSS	CROSS REFERENCE
816	D-M-ACCES	ACCESSION DATE
818	D-M-CATEG	MODEL CATEGORY
820	D-M-EVENT	TREATMENT OF EVENTS/VARIABLES
822	D-M-CATEG	USE CATEGORY
824	D-M-TIME	TREATMENT OF TIME
826	D-M-APPLI	APPLICATION TECHNIQUE
828	D-M-SOLUT	SOLUTION TECHNIQUES
830	D-M-COMPU	TYPE COMPUTER
832	D-M-LANGU	PROGRAM LANGUAGES USED
834	D-M-STORA	MINIMUM STORAGE REQUIREMENT
836	D-M-RTIME	APPROXIMATE SINGLE RUN TIME
838	D-M-STATE	NUMBER PROGRAM STATEMENTS
840	D-M-RCOST	APPROXIMATE SINGLE RUN COST
842	D-M-PERIP	PERIPHERAL EQUIPMENT REQUIRED
900	D-PRODUCT	DLSIE PRODUCT = MODEL ABSTRACT
910	D-AGENCY	AGENCY = one of eight possible entries
920	D-SEARCH#	DLSIE SEARCH NUMBER
940	D-STATUS	STATUS
950	D-START	DATE STARTED
970	D-UPDATE	DATE OF LAST UPDATE AT DLSIE

Table 2 contains the STAIRS "Paragaph class names" that go with the displayed intervals of STAIRS paragraph codes. If the interval consists of one number, for example, as in the case of 010, then there is only one code that goes with the class name. Otherwise, there can be more than one; for example, codes 050, 052, 054, 056, and 059 in Table 1 go together into the STAIRS paragraph labeled "PERFORMER."

Table 2. STAIRS Paragraph Class Names

INTERVAL	NAMES
*** ***	(DOC NO)
0A0 0A0	DATE:
010 010	TITLE:
020 020	AUTHOR:
030 030	RPT-NUM:
040 040	TYPE:
050 059	PERFORMER
060 066	SPONSOR:
070 070	PAGES:
080 080	CLASS:
090 096	DISTRIB:
100 100	KEYWORDS:
102 102	D-SUBJECT
104 104	D-FUNCTIO
106 106	D-DESCRIP
110 119	ABSTRACT:
800 816	D-MODEL1
818 842	D-MODEL2
900 970	D-IDENTIF

Table 2 contains all STAIRS paragraph class names for this application at the AFLMC; for example, AUTHOR, TYPE (of document), and (number of) PAGES, pertain to the DLSIE studies tape [2] and not to the present models tape. A total of 15 paragraph class names actually appear on the models tape. (Code 52 in Table 1 corresponds generally to "author.") The KEYWORDS paragraph in Table 2 refers to the AFLMC class name for entries taken from Forms DD1473 and other sources. Paragraphs numbered 102, 104, and 106 pertain to subject areas, functions, and descriptors, respectively, assigned and used at DLSIE to classify the models in their data base. There appear to be seven different subjects, about 60 functions, and over 600 descriptors for the DLSIE models data base.

3. Ten percent sample

Appendix B is a 39-page listing, "Ten percent sample from DLSIE models tape," where all data for 38 models appear identified by corresponding STAIRS paragraph codes from Table 1. The sample consists of every tenth model where the sequencing of the tape--primary is agency and secondary is LD number, as noted above--was retained. The final columns in Appendix B contain the serial document numbers for the tape and line numbers within STAIRS paragraph codes.

Generally there is one model per page but some models require more than one page. Minor imperfections--for example, the one column inset for codes 818 and originating from a variation in initial columns for original data entry--will cause no difficulties in searches under STAIRS; they could easily be removed by refining the programs in [1].

Given that 38 models require 39 pages in Appendix B, the entire custom catalog, even in its present compactly printed two-sided form, would be about 2 1/2 inches thick.

4. Common Entries

Appendix C is a five-page listing, "Common entries in studies and models files," which furnishes cross references for the present custom catalog and the custom bibliography of [2]. The two tapes were matched, as described in [1], on the numeric portions of the LD numbers and then the LD numbers, titles, and performing organization were listed in forms similar to those in Appendix A. With only minor exceptions--see the entries on page 3 of Appendix C for LD numbers having numeric portions 49111, for example--common entries identify "studies" whose "models" have also been entered by DLSIE.

REFERENCES

[1] CAVES, W. E. (1983). The DLSIE computer programs. Technical Memorandum Serial TM-72630.

[2] CAVES, W. E. and W. H. MARLOW (1983). The DLSIE studies tape. Technical Paper Serial T-478.

[3] CAVES, W. E., W. H. MARLOW and S. ZACKS (1983). Final report on a logistics source material system for the Air Force Logistics Management Center. Technical Paper Serial T-476.

[4] IBM CORPORATION (1981). Terminal User's Guide SB21-2783-1. Storage and Information Retrieval System/Conversational Monitor System (STAIRS/CMS). Field Developed Program Number 5785-CAH.

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DLSIE MODELS TAPE LD INDEX

76 LD 18414MC	LOGISTICS COMPOSITE MODEL II -- LCOM II SIMULATION	AIR FORCE LOGISTICS COMMAND, WRIGHT-PATTERSON AIR .....
77 LD 18414MD	LOGISTICS CMPOSITE MODEL II --- LCOM II SIMULATION	AIR FORCE LOGISTICS COMMAND, WRIGHT-PATTERSON AIR .....
112 LD 31067MB	SAMSO UNMANNED SPACECRAFT COST MODEL: FOURTH EDITION.	AIR FORCE SPACE DIVISION, P. O. BOX 92960, WORLDWAY ....
113 LD 31067MC	SPACE DIVISION *UNMANNED SPACECRAFT COST MODEL: FIFTH* ...	AIR FORCE SPACE DIVISION, P. O. BOX 92960, WORLDWAY ....
322 LD 32472MB	NAVAL AIRCRAFT OPERATING AND SUPPORT COST MODEL - FY ...	ADMINISTRATIVE SCIENCES CORPORATION, 4660 KENMORE .....
323 LD 32472MC	NAVAL AIRCRAFT OPERATING AND SUPPORT COST-ESTIMATING ...	ADMINISTRATIVE SCIENCES CORP., 5205 LEESBURG PIKE, ...
324 LD 32472MD	NAVAL AIRCRAFT OPERATING AND SUPPORT COST-ESTIMATING ...	ADMINISTRATIVE SCIENCES CORP., 5205 LEESBURG PIKE, ...
44 LD 36770MD	HISTORICAL INFLATION PROGRAM (A COMPUTERIZED PROGRAM ...	US ARMY TROOP SUPPORT AND AVIATION MATERIEL .....
45 LD 36770ME	HISTORICAL INFLATION PROGRAM (A COMPUTER PROGRAM	US ARMY TROOP SUPPORT AND AVIATION MATERIEL .....
46 LD 36770MG	HISTORICAL INFLATION PROGRAM (A COMPUTER PROGRAM	US ARMY TROOP SUPPORT AND AVIATION MATERIEL .....
209 LD 38131MC	ENGAGEMENT SIMULATION PROGRAM-IV --- AN INTERACTIVE	UNITED TECHNOLOGIES RESEARCH CENTER, SILVER LN, EAST ...
210 LD 38131MD	ENGAGEMENT SIMULATION PROGRAM-IV --- AN INTERACTIVE	UNITED TECHNOLOGIES RESEARCH CENTER, SILVER LN, EAST ...
211 LD 38131ME	ENGAGEMENT SIMULATION PROGRAM-IV --- *AN INTERACTIVE*	UNITED TECHNOLOGIES RESEARCH CENTER, SILVER LN, EAST ...
379 LD 38388MD	DAYTON AIRCRAFT CABIN FIRE MODEL VALICATION; PHASE I.	UNIVERSITY OF DAYTON, RESEARCH INSTITUTE, DAYTON, OH ...
187 LD 39738MA	AIRCRAFT FUEL TANK ENVIRONMENT/*THREAT MODEL FOR FIRE* ...	*FALCON RESEARCH* AND DEVELOPMENT CO., DENVER, CO 80223
214 LD 40205MG	METHOD OF DESIGNING INSTRUCTIONAL ALTERNATIVES ---	ATC TECHNOLOGY APPLICATIONS CENTER, LACKLAND AFB, TX ...
122 LD 41292MB	MISSION TRADE-OFF METHODOLOGY MODEL: USER'S MANUAL	KEARNEY (A.T.), INC., CAYWOOD-SCHILLER DIV., 100 S. ....
84 LD 41741MA	LOGISTIC SUPPORT COST-REPAIR LEVEL ANALYSIS COMPUTER ...	AIR FORCE SPACE DIVISION, P. O. BOX 92960, WORLDWAY ....
85 LD 41741MB	LOGISTIC SUPPORT COST-REPAIR LEVEL ANALYSIS COMPUTER ...	AIR FORCE SPACE DIVISION, P. O. BOX 92960, WORLDWAY ....
114 LD 41741MC	LOGISTIC SUPPORT COST-REPAIR LEVEL ANALYSIS ---	AIR FORCE SPACE DIVISION, P. O. BOX 92960, WORLDWAY ....
341 LD 41744MA	REVIEW OF METHODOLOGIES AND CONCEPTS TO MEASURE AND	RAYTHEON COMPANY, 528 BOSTON POST RD., SUDBURY, MA ....
220 LD 42012MA	COMBINED LOGISTICS MODEL: CONCEPT AND	AIR COMMAND AND STAFF COLLEGE, AIR UNIVERSITY, ...
380 LD 42091MA	WIND SHEAR MODELING FOR AIRCRAFT HAZARD DEFINITION.	NATIONAL AERONAUTICS & SPACE ADMINISTRATION, GEORGE ....
159 LD 42096MA	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
160 LD 42096MB	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
161 LD 42096MC	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
162 LD 42096MD	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
163 LD 42096ME	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
164 LD 42096MF	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
165 LD 42096MG	ENHANCED *INTERACTIVE* GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
166 LD 42096MH	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
167 LD 42096MJ	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
168 LD 42096MK	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
169 LD 42096ML	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
170 LD 42096MN	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
171 LD 42096MN	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
172 LD 42096MP	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
173 LD 42096MQ	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
174 LD 42096MR	ENHANCED INTERACTIVE GRAPHICS AIRCRAFT STRUCTURAL	GENERAL DYNAMICS CORP., CONVAIR DIVISION, P.O. BOX .....
146 LD 42096MS	STRUCTURAL TECHNOLOGY EVALUATION PROGRAM --- REVISED ...	ROCKWELL INTERNATIONAL CORP., LOS ANGELES DIV., 9801 ...

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TEN PERCENT SAMPLE FROM DLSIE MODELS TAPE

DOCUMENT NUMBER	***	LD 49821MA	00001001
DATE	040	1980	00001001
TITLE	010	TASCFORM-AIR MODEL-- A TECHNIQUE FOR ASSESSING COMPARATIVE FORCE	00001001
		MODERNIZATION IN TACTICAL AVIATION; VOL I - METHODOLOGY DEVELOPMENT.	00001002
REPORT-NUMBER	030	TR-1334-3	00001001
PERFORMER	050	THE ANALYTIC SCIENCES CORPORATION, SIX JACOB WAY, READING, MA 01867	00001001
D-PERF-CONTACT	052	E T TIMPERLAKE ET AL	00001001
SPONSOR	060	OFFICE OF THE SECRETARY OF DEFENSE, WASHINGTON, DC 20301	00001001
D-SPONSOR-CONTACT	062	DIRECTOR OF NET ASSESSMENT	00001001
CLASSIFICATION	080	UNCLASSIFIED	00001001
D-AD-NUMBER	092	B057 152L	00001001
D-RELEASE-LIMIT	094	USGO	00001001
D-AVAILABLE-FROM	096	DLSIE - USGO (OTHERS FROM SPONSOR)	00001001
D-SUBJECT	102	MATERIEL	00001001
D-FUNCTION	104	EVALUATING	00001001
D-DESCRIPTORS	106	WEAPON SYSTEMS	00001001
		AIRCRAFT SYSTEMS	00001002
		MODERNIZATION	00001003
		TACTICAL AIRCRAFT	00001004
		FORCE STRUCTURE	00001005
		USSR	00001006
ABSTRACT	110	THIS REPORT REPRESENTS AN EFFORT TO DEVELOP A METHODOLOGY THAT CAN BE	00001001
		USED TO INVESTIGATE, MEASURE, ANALYZE, AND COMPARE ASPECTS OF THE	00001002
		MODERNIZATION OF WEAPON SYSTEMS BY THE U.S. AND USSR.	00001003
D-MODEL-INPUT	118	BASIC AIRFRAME/PROPULSION CHARACTERISTICS, ON-BOARD WEAPONS AND	00001001
		EQUIPMENT, WEIGHTING FACTORS THAT ASSIGN RELATIVE IMPORTANCE TO MODEL	00001002
		CHARACTERISTICS ACCORDING TO THEIR CONTRIBUTION IN A PARTICULAR	00001003
		TACAIR ROLE, FORCE LEVELS, MULTI-ROLE PERFORMANCE, IMPACT OF AIRCRAFT	00001004
		NUMBERS, AND OVERALL COMMAND, CONTROL, AND COMMUNICATION	00001005
		CAPABILITIES.	00001006
D-MODEL-OUTPUT	119	MODERNIZATION RATES.	00001001
D-MODEL-ACRONYM	800	TASCFORM-AIR	00001001
D-M-ACCESSION-DAT	816	AUG 81	00001001
D-M-CATEGORY	818	METHOD (ALGORITHM)	00001001
D-M-USE-CATEGORY	822	ANALYSIS AND DIAGNOSIS	00001001
D-M-APPLIC-TECHN	826	DIGITAL COMPUTER AND MANUAL	00001001
D-M-SOLUTION-TECH	828	COMPUTATIONAL ANALYSIS	00001001
D-M-PRODUCT	900	MODEL ABSTRACT	00001001
D-AGENCY	910	DEPARTMENT OF DEFENSE	00001001
D-SEARCH-NUMBER	920	83-00123	00001001
D-STATUS	940	COMPLETED	00001001
D-LAST-UPDATED	970	SEP 81	00001001

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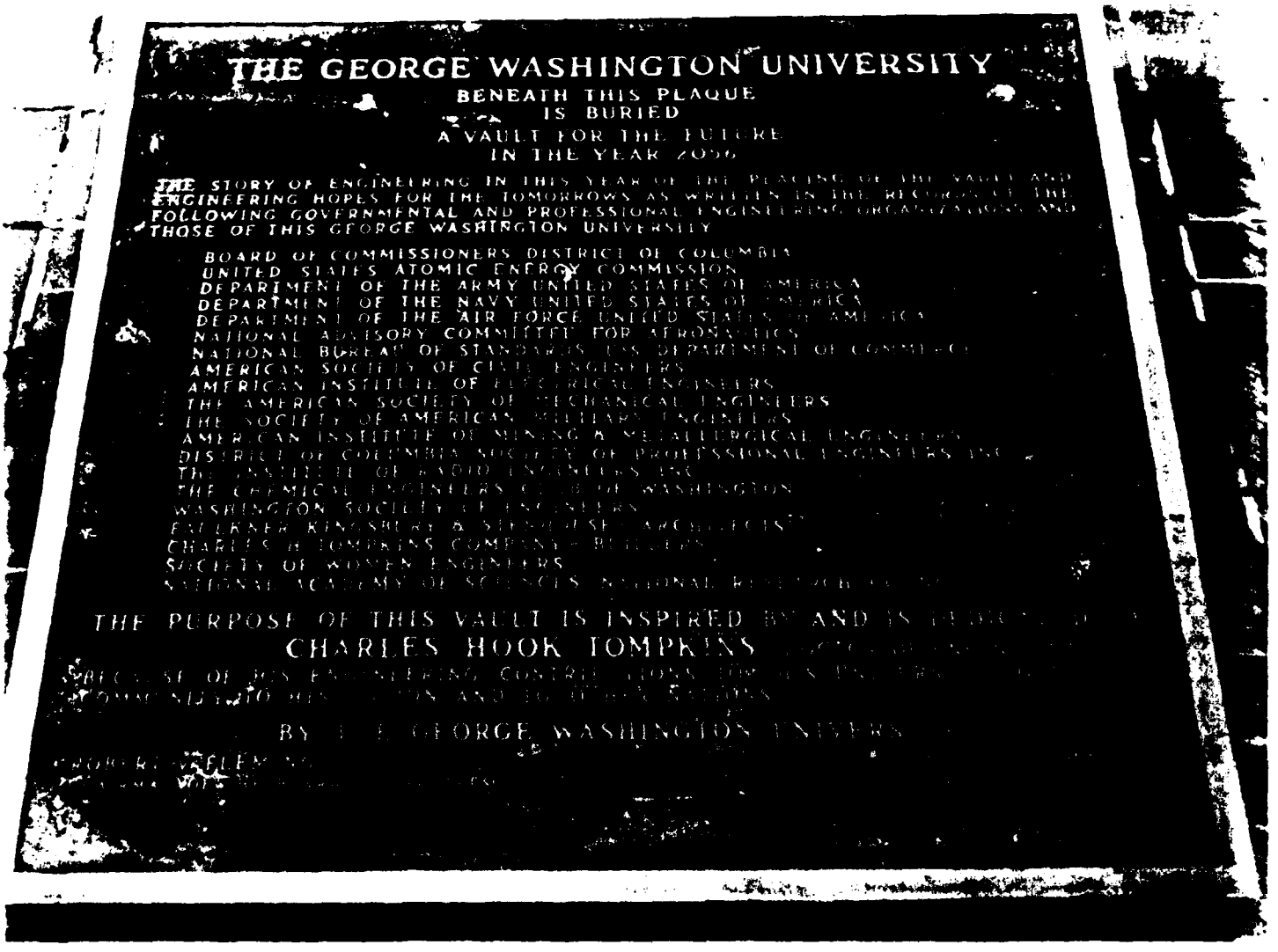
COMMON ENTRIES IN STUDIES AND MODELS FILES

1465LD	36770D	HISTORICAL INFLATION PROGRAM (A COMPUTERIZED PROGRAM ...	US ARMY TROOP SUPPORT AND AVIATION MATERIEL .....
1475LD	36770E	HISTORICAL INFLATION PROGRAM. A COMPUTER PROGRAM	US ARMY TROOP SUPPORT AND AVIATION MATERIEL .....
1485LD	36770G	HISTORICAL INFLATION PROGRAM. A COMPUTER PROGRAM	US ARMY TROOP SUPPORT AND AVIATION MATERIEL .....
44MLD	36770MD	HISTORICAL INFLATION PROGRAM (A COMPUTERIZED PROGRAM ...	US ARMY TROOP SUPPORT AND AVIATION MATERIEL .....
45MLD	36770ME	HISTORICAL INFLATION PROGRAM (A COMPUTER PROGRAM	US ARMY TROOP SUPPORT AND AVIATION MATERIEL .....
46MLD	36770MG	HISTORICAL INFLATION PROGRAM (A COMPUTER PROGRAM	US ARMY TROOP SUPPORT AND AVIATION MATERIEL .....
2153SLD	42012A	THE COMBINED LOGISTICS MODEL: CONCEPT AND	AIR COMMAND AND STAFF COLLEGE, AIR UNIVERSITY, ...
220MLD	42012MA	COMBINED LOGISTICS MODEL: CONCEPT AND	AIR COMMAND AND STAFF COLLEGE, AIR UNIVERSITY, ...
23SLD	42211A	SIMPLE SUPPORT PLANNING MODEL. WORKING NOTE.	LOGISTICS MANAGEMENT INSTITUTE, 4701 SANGAMORE RD.. ....
24SLD	42211B	A SURVEY OF MODELS IN THE SERVICES TO SUPPORT	LOGISTICS MANAGEMENT INSTITUTE, 4701 SANGAMORE RD.. ....
4MLD	42211MA	SIMPLE SUPPORT PLANNING MODEL.	LOGISTICS MANAGEMENT INSTITUTE, 4701 SANGAMORE RD.. ....
5MLD	42211MB	SURVEY OF MODELS IN THE SERVICES TO SUPPORT AIRCRAFT ...	LOGISTICS MANAGEMENT INSTITUTE, 4701 SANGAMORE RD.. ....
3400SLD	42278A	PROBABILITY THAT THE PROPAGATION OF AN UNDETECTED	THE RAND CORPORATION, 1700 MAIN ST., SANTA MONICA, ...
361MLD	42278MA	PROBABILITY THAT THE PROPAGATION OF AN UNDETECTED	THE RAND CORPORATION, 1700 MAIN ST., SANTA MONICA, ...
164SLD	42489A	COMPUTERIZED AIRCRAFT ATTRITION PROGRAM.	US ARMY AVIATION RESEARCH AND DEVELOPMENT COMMAND, ...
5OMLD	42489MA	COMPUTERIZED AIRCRAFT ATTRITION PROGRAM.	US ARMY AVIATION RESEARCH AND DEVELOPMENT COMMAND, ...
2078SLD	42499AZ	THE U.S. THEATER AIRLIFT SYSTEM IN NATO: A STUDY OF ...	AIR WAR COLLEGE, AIR UNIVERSITY, MAXWELL AIR FORCE .....
219MLD	42499MA	TACTICAL AIRLIFT MODEL --- THE U.S. THEATER AIRLIFT	AIR WAR COLLEGE, AIR UNIVERSITY, MAXWELL AIR FORCE .....
9536SLD	42541B	GENERAL AVIATION AIRPLANE STRUCTURAL CRASHWORTHINESS ...	LOCKHEED-CALIFORNIA COMPANY, BURBANK, CA 91503
9537SLD	42541C	GENERAL AVIATION AIRPLANE STRUCTURAL CRASHWORTHINESS ...	LOCKHEED-CALIFORNIA COMPANY, BURBANK, CA 91503
368MLD	42541MA	PROGRAM KRASH --- GENERAL AVIATION AIRPLANE	LOCKHEED-CALIFORNIA COMPANY, BURBANK, CA 91503
370MLD	42541MB	PROGRAM KRASH --- GENERAL AVIATION AIRPLANE	LOCKHEED-CALIFORNIA COMPANY, BURBANK, CA 91503
371MLD	42541MC	PROGRAM KRASH --- GENERAL AVIATION AIRPLANE	LOCKHEED-CALIFORNIA COMPANY, BURBANK, CA 91503
372MLD	42541MD	PROGRAM KRASH --- GENERAL AVIATION AIRPLANE	LOCKHEED-CALIFORNIA COMPANY, BURBANK, CA 91503
367SLD	42604A	ESTIMATED COSTS OF EXTENDED LOW-RATE AIRFRAME	THE RAND CORPORATION, 1700 MAIN ST., SANTA MONICA, ...
7OMLD	42604MA	ESTIMATED COSTS OF EXTENDED LOW-RATE AIRFRAME	THE RAND CORPORATION, 1700 MAIN ST., SANTA MONICA, ...
2646SLD	42926A	THE WING LEVEL SCHEDULING PROCESS: A SYSTEMS APPROACH.	THE SCHOOL OF SYSTEMS AND LOGISTICS, AIR FORCE .....
262MLD	42926MA	WING LEVEL SCHEDULING PROCESS: A SYSTEMS APPROACH.	THE SCHOOL OF SYSTEMS AND LOGISTICS, AIR FORCE .....
2649SLD	42929A	A COMPUTERIZED METHODOLOGY FOR THE IDENTIFICATION OF ...	THE SCHOOL OF SYSTEMS AND LOGISTICS, AIR FORCE .....
263MLD	42929MA	RETURN-ON-INVESTMENT MATHEMATICAL MODEL ---	THE SCHOOL OF SYSTEMS AND LOGISTICS, AIR FORCE .....
2655SLD	42995A	OPTIMAL PLACEMENT OF REGIONAL FLIGHT SIMULATORS.	THE SCHOOL OF SYSTEMS AND LOGISTICS, AIR FORCE .....
264MLD	42995MA	OPTIMAL PLACEMENT OF REGIONAL FLIGHT SIMULATORS.	THE SCHOOL OF SYSTEMS AND LOGISTICS, AIR FORCE .....
2664SLD	43002A	A MODEL OF THE UNIFORM MATERIEL MOVEMENT AND ISSUE	THE SCHOOL OF SYSTEMS AND LOGISTICS, AIR FORCE .....
265MLD	43002MA	MODEL OF THE UNIFORM MATERIEL MOVEMENT AND ISSUE	THE SCHOOL OF SYSTEMS AND LOGISTICS, AIR FORCE .....
2666SLD	43004A	A MODEL FOR ESTIMATING WAITING TIME FOR MILITARY	THE SCHOOL OF SYSTEMS AND LOGISTICS, AIR FORCE .....
266MLD	43004MA	MODEL FOR ESTIMATING WAITING TIME FOR MILITARY	THE SCHOOL OF SYSTEMS AND LOGISTICS, AIR FORCE .....

APPENDIX C to S-4/9



To cope with the expanding technology, our society must be assured of a continuing supply of rigorously trained and educated engineers. The School of Engineering and Applied Science is completely committed to this objective.